

ABSTRACT OF THE DISCLOSURE

Methods, compositions and kits are disclosed. The methods are directed to determining the presence of entactogen analytes such as, for example, 3,4-methylenedioxyamphetamine (MDA), 3,4-methylenedioxy-methamphetamine (MDMA), 3,4-methylenedioxy-ethylamphetamine (MDEA) and 4-hydroxy-3-methoxy-methamphetamine (HMMA). The method comprises providing in combination in a medium (i) a sample suspected of containing the compound and (ii) an antibody raised against a compound of Formula I that comprises a protein. The medium is examined for the presence a complex comprising the compound and the antibody where the presence of such as complex indicates the presence of the compound in the sample. In one aspect of the above embodiment, the combination further comprises a label conjugate of the compound Formula I.

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